5b.

REPORT ON BOILERS.

No. 163.

Received at London Office MAR 15 1939

e of writing Report 4th March 1939 When handed in at Local Office 10th March 1939 Port of Danzig

Vo. in Survey held at Danzig. Date, First Survey 10th November 1938 Last Survey 21st Feb 1939.
. Book.

44 on the TWIN SCREW M.V. "ABBEKERK" (Number of Visits 6) Tons { Gross 7906 / Net 4764.

lt at Danzig. By whom built J. Schichau GmbH Yard No. 1419 When built 1939.

ines made at Elbing By whom made J. Schichau GmbH Engine No. 3682/83 When made 1939.

lers made at Hamburg. By whom made Christiansen & Meyer. Boiler No. 5241 When made 1938.

ners Vereenigde Nederlandsche Scheep Maats. Port belonging to The Hague.

ERTICAL DONKEY BOILER.

le at Hamburg By whom made Christiansen & Meyer Boiler No. 5241. When made 1938. Where fixed aft end Engine Room. middle platform

nufacturers of Steel PLEASE SEE HAMBURG REPORT No 22904

al Heating Surface of Boiler Is forced draught fitted Coal or Oil fired

and Description of Boilers **Working pressure**

ted by hydraulic pressure to Date of test No. of Certificate

a of Firegrate in each Boiler No. and Description of safety valves to each boiler

a of each set of valves per boiler { per rule / as fitted } Pressure to which they are adjusted 100/65 ✓ Are they fitted with easing gear Yes.

e whether steam from main boilers can enter the donkey boiler ✓ Smallest distance between boiler or uptake and bunkers

oodwork ✓ Is oil fuel carried in the double bottom under boiler ✓ Smallest distance between base of boiler and tank top plating

on middle platform. Is the base of the boiler insulated No. Largest internal dia. of boiler Height

ll plates: Material Tensile strength Thickness

the shell plates welded or flanged Description of riveting: circ. seams { end / inter. } long. seams

. of rivet holes in { circ. seams / long. seams } Pitch of rivets { / } Percentage of strength of circ. seams { plate / rivets } of Longitudinal joint { plate / rivets / combined }

rking pressure of shell by rules Thickness of butt straps { outer / inner }

ll Crown: Whether complete hemisphere, dished partial spherical, or flat Material

sile strength Thickness Radius Working pressure by rules

cription of Furnace: Plain, spherical, or dished crown Material Tensile strength

kness External diameter { top / bottom } Length as per rule Working pressure by rules

h of support stays circumferentially and vertically Are stays fitted with nuts or riveted over

meter of stays over thread Radius of spherical or dished furnace crown Working pressure by rule

kness of Ogee Ring Diameter as per rule { D / d } Working pressure by rule

bustion Chamber: Material Tensile strength Thickness of top plate

ius if dished Working pressure by rule Thickness of back plate Diameter if circular

gth as per rule Pitch of stays Are stays fitted with nuts or riveted over

meter of stays over thread Working pressure of back plate by rules

e Plates: Material { front / back } Tensile strength { / } Thickness { / } Mean pitch of stay tubes in nests

mprising shell, Dia. as per rule { front / back } Pitch in outer vertical rows { / } Dia. of tube holes FRONT { stay / plain } BACK { stay / plain }

ch alternate tube in outer vertical rows a stay tube Working pressure by rules { front / back }

ers to combustion chamber tops: Material Tensile strength

h and thickness of girder at centre Length as per rule

nce apart No. and pitch of stays in each Working pressure by rule

Crown stays: *Material* ..... *Tensile strength* ..... *Diameter* { *at body of stay,* ..... *or over threads* ..... }

No. of threads per inch ..... *Area supported by each stay* ..... *Working pressure by rules* .....

Screw stays: *Material* ..... *Tensile strength* ..... *Diameter* { *at turned off part,* ..... *or over threads* ..... } *No. of threads per inch* .....

Area supported by each stay ..... *Working pressure by rules* ..... *Are the stays drilled at the outer ends* .....

Tubes: *Material* ..... *External diameter* { *plain* ..... *stay* ..... } *Thickness* { .... }

No. of threads per inch ..... *Pitch of tubes* ..... *Working pressure by rules* .....

Manhole Compensation: *Size of opening in shell plate* ..... *Section of compensating ring* ..... *No. of rivets and dia*

of rivet holes ..... *Outer row rivet pitch at ends* ..... *Depth of flange if manhole flanged* .....

Uptake: *External diameter* ..... *Thickness of uptake plate* .....

Cross Tubes: *No.* ..... *External diameters* { .... } *Thickness of plates* .....

Have all the requirements of Sections 14 *to* 23 *inclusive for boilers been complied with* .....

The foregoing is a correct description,

..... *Manufact*

Dates of Survey while building — *During progress of work in shops* - - } ..... *Is the approved plan of boiler forwarded herewith* .....
(If not state date of approval.)

During erection on board vessel - - } 1936. Nov 10. Dec 21. 1939. Jan 3. 31. Feb 6. 21. *Total No. of visits* 6

GENERAL REMARKS (*State quality of workmanship, opinions as to class, &c.*) .....

The Vertical Donkey boiler Hamburg Report N° 22904. has been satisfactorily fitted on board.
The boiler has been examined under steam and the safety valves adjusted to 100 lbs □" and is eligible in my opinion to have record of D.B. 100 lbs □"

Survey Fee ... ... £ : / : } When applied for, ... 19 .....
Travelling Expenses (if any) £ : : } When received, ... 19 .....

K. Shaw.
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute Assigned FRI 24 MAR 1939 See Duz. FE Apl. 16th.